|                                       | Index ocClaims |             |          |          |          |          |           |          |                             |          |          |          |            |           | Ap           | Application/Control No. |          |          |              |                 |           |          |          |              |             | Applicant(s)/Patent under Reexamination |              |                |            |              |          |          |           |   |   |   |
|---------------------------------------|----------------|-------------|----------|----------|----------|----------|-----------|----------|-----------------------------|----------|----------|----------|------------|-----------|--------------|-------------------------|----------|----------|--------------|-----------------|-----------|----------|----------|--------------|-------------|---|--------------|----------------|------------|--------------|----------|----------|-----------|---|---|---|
|                                       |                |             |          |          |          |          |           |          |                             |          |          |          |            | 10/659788 |              |                         |          |          |              |                 |           |          |          | NO NAME      |             |   |              |                |            |              |          |          |           |   |   |   |
|                                       |                |             |          |          |          |          |           |          |                             |          |          |          |            |           | Examiner     |                         |          |          |              |                 |           |          |          |              | Art Unit    |   |              |                |            |              |          |          |           |   |   |   |
| , , , , , , , , , , , , , , , , , , , |                |             |          |          |          |          |           |          |                             |          |          |          | ***        |           |              |                         |          |          |              |                 |           |          |          |              |             |   |              |                | •          |              |          |          |           |   |   |   |
|                                       |                |             | Г        | Т        |          | _        | _         | ٦.       |                             | Γ        | 1        | /TL      |            |           |              |                         |          |          |              |                 |           |          |          |              |             |   |              |                |            |              |          |          |           |   |   |   |
| ••                                    | √ Rejected _   |             |          |          |          |          |           | _        | (Through numer<br>Cancelled |          |          |          |            |           | al) N        |                         |          | Non-Elec |              |                 | ted       |          | А        | Appeal       |             |   |              |                |            |              | ٠        |          |           |   |   |   |
|                                       |                | = Allowed ÷ |          |          |          |          |           |          | Restricted                  |          |          |          |            |           | Interf       |                         |          | erfe     | ere          | ence            |           |          | Objected |              |             |   |              |                | •          |              |          |          |           |   |   |   |
|                                       | CI             | aim         |          | Date     |          |          |           |          |                             |          |          | Claim    |            |           |              |                         |          | Date     |              |                 |           |          | 7        | Гс           | İaim        | i                                       | Date         |                |            |              |          |          |           | 1 |   |   |
|                                       | <del> </del>   |             |          |          |          |          |           |          |                             |          |          |          | _ <u>e</u> |           |              | T                       | T        |          | T            |                 |           | Π        | 7        |              |             | П                                       |              |                |            |              | Т        | Γ        |           |   |   |   |
|                                       | Final          | Original    |          |          |          |          |           |          |                             |          |          | Final    |            | Original  |              |                         |          |          |              |                 |           |          |          | Final        | Original    |   |              |                |            |              |          |          |           |   |   |   |
|                                       |                | 1           | 2        |          |          |          | Ĺ         | Ţ        |                             |          | 口        |          | 5          | 1         | $\downarrow$ |                         |          |          | 上            | $\perp$         |           |          | ]        |              | 101         |   | +            | +-             | +          | +            | +        | +        | $\vdash$  | 1 |   |   |
|                                       |                | 3           | $\vdash$ | ┝        | -        | ┝        | ┢         | ╀        | -                           | ╀        | H        | -        | 5          | 2         | +            | 4                       | -        | -        | +            | +               | _         | _        | }        |              | 102         |   | $\top$       | 1              | Ţ          | Ţ            |          | 匚        |           |   |   |   |
|                                       |                | 4           |          |          |          |          |           |          |                             | 上        | 口        |          | 5          | 4         | -            | +                       | ╁        | +        | +            | +               | $\vdash$  | -        | 1        | <del> </del> | 103         | $\vdash$                                | ╫            | +              | ╁          | ╁            | ╀╌       | ╀        | <u> </u>  | ł |   |   |
|                                       |                | 5<br>6      | -        | _        | _        | ⊢        | ┼         | -        | +                           | +        | $\vdash$ | <u> </u> | 5          | 5<br>6    | $\perp$      |                         | $\perp$  | Ţ        | Ţ            |                 |           |          |          |              | 105         |   |              |                |            |              |          |          |           |   |   |   |
|                                       |                | 7           |          |          |          | -        | $\vdash$  | +        | +                           | ╁╴       | H        | -        |            | 7         | ╁            | +                       | +        | +-       | ╀            | -               |           | -        |          | <u> </u>     | 106<br>107  | -                                       | +            | +              | ╀-         | +            |          | $\perp$  |           |   |   |   |
| ·                                     |                | 8           |          |          |          |          |           | Ŀ        | I                           | I        |          |          | 5          | 8         |              |                         |          |          |              |                 | 匚         |          |          |              | 108         | $\dashv$                                | +            | +              | +          | ╁            | $\vdash$ |          | -         | 1 |   |   |
|                                       |                | 9           | -        |          | Н        | -        | -         | $\vdash$ | +                           | ╀        | $\vdash$ |          | 5          | 9         | -            | +                       | 4        | +        | -            | $\vdash$        |           |          |          |              | 109         |   | Ţ            |                | L          |              |          |          |           |   |   |   |
|                                       |                | 9E          |          |          |          | -        | $\vdash$  | ╁        | ╁                           | +        | H        | -        | 6          |           | +            | ╬                       | +-       | ╁        | ╁            | ╁               | -         | $\vdash$ |          | ļ            | 110         |   | +            | - -            | ╀          | -            | ┞        | -        |           |   |   |   |
|                                       |                | 12          |          |          |          |          |           |          | 1                           |          |          |          | 6          | 2         |              |                         |          |          |              |                 |           |          |          |              | 112         | _                                       | +            | +-             | +          | 十            | $\vdash$ |          |           |   |   |   |
|                                       |                | 13<br>14    | $\vdash$ |          |          | H        | -         | -        | ╀                           | -        | $\vdash$ |          | 6          |           | - -          | +                       | 1        | ╀-       | 1            |                 |           | _        |          |              | 113         |   | $\downarrow$ |                | I          |              |          |          |           |   |   |   |
|                                       |                | 15          |          |          |          |          |           |          | ╁                           | -        | $\vdash$ | -        | 6          |           | +            | +                       | +        | ╫        | ┝            | +               | -         | -        |          |              | 114         | +                                       | +            | +              | ╀          | -            | -        | -        |           |   |   |   |
|                                       |                | 16          |          | _        |          |          |           |          | ·                           |          |          |          | 6          | 6         |              |                         |          |          |              |                 |           |          |          |              | 116         |   | $\dagger$    | 十              | ╁          | -            | ┢        | $\vdash$ | -         |   |   |   |
|                                       |                | 17<br>18    |          | -        | -        | <u> </u> | _         | ┝        | +                           | ┞        | H        | <u> </u> | 6          |           | 4-           | ╀                       | +        | ╀        | -            | _               |           |          |          |              | 117         |   |              |                | L          |              |          |          |           |   |   |   |
|                                       |                | 18          |          | $\dashv$ |          |          | -         | -        | +                           | +        | $\vdash$ | -        | 6          |           | +            | +                       | ╁        | ╁        | ╁            | +               |           | -        |          |              | 118<br>119  |   | +            | +-             | ╀          | ┨            | -        | $\vdash$ | _         |   |   |   |
| [                                     |                | 20          |          |          |          |          |           |          |                             |          |          |          | 7          | 5         |              |                         |          |          |              |                 |           |          |          |              | 120         | $\dashv$                                | ╁            | ╁              | ╁          | ╁            | ┢        | Н        |           | l |   |   |
| ,                                     |                | 21          | $\vdash$ | -        | -        |          |           | -        | -                           | $\vdash$ | Н        | -        | 7          |           | +            | +                       | +        | $\perp$  | -            | _               | _         |          |          |              | 121         |   | Ţ            |                | L          |              |          |          |           | ļ |   |   |
|                                       |                | 23          |          |          |          |          | -         | $\vdash$ | $\vdash$                    | $\vdash$ | H        | -        | 7          |           | +            | +                       | ╁        | +        | ╁┈           | ┝               | -         |          |          |              | 122         |   |              | ╬              | -          | -            | L        | -        |           |   |   |   |
|                                       |                | 24          | $\Box$   | _        | 4        |          |           |          |                             |          |          |          | 7          | 4         |              |                         |          |          |              |                 |           |          | :.       |              | 124         |   | 1            |                | $\vdash$   | H            | ┢        | ╌┤       | $\dashv$  |   |   |   |
| ŀ                                     | $\dashv$       | 25<br>26    | $\dashv$ | $\dashv$ | $\dashv$ | _        | _         | -        | ├-                          | ┝        | Н        | -        | 7:         |           | - -          | ╀                       | -        | ┼        | <del> </del> | <u> </u>        |           |          |          |              | 125         | 4                                       | I            |                |            |              |          |          |           |   |   |   |
| 1                                     |                | 27          |          |          |          | _        | ,         |          | $\vdash$                    |          | H        | -        | 7          |           | ╁            | ╁                       | +        | -        | H            |                 |           |          |          | -            | 126<br>127  | +                                       | +            | +              | ├          | ┼-           | -        | $\vdash$ | $\dashv$  |   |   |   |
|                                       |                | 28          | $\dashv$ |          | _        |          |           |          |                             |          |          |          | 7          | 3         |              | I                       |          |          |              |                 |           |          | 1        | :            | 128         |   | +            |                | 十          | ╁╌           | $\vdash$ | $\vdash$ | ᅥ         |   |   |   |
| ŀ                                     | $\dashv$       | 29<br>30    | $\dashv$ | -+       | $\dashv$ |          |           | -        | -                           | ┝        |          | -        | 79         |           | - -          | +                       | -        | -        | _            |                 |           |          |          | <u> </u>     | 129         |   | 4            | $\downarrow $  | L          | $oxed{oxed}$ |          |          |           |   |   |   |
|                                       |                | 31          |          |          |          |          |           |          |                             |          | H        |          | 8          |           | ╁            | +                       | +        | ╁        | -            | -               |           | $\dashv$ | :        |              | 130<br>131  | -                                       | +            | ╁              | -          | -            | _        | H        | $\dashv$  |   |   |   |
| ļ                                     |                | 32<br>33    | $\dashv$ | -[       | $\dashv$ | _        |           |          | F                           | F        |          |          | 8:         |           | 1            | I                       | I        |          |              |                 |           |          |          |              | 132         |   | 士            |                |            |              |          |          | $\exists$ |   |   |   |
| }                                     |                | 34          | $\dashv$ | +        | $\dashv$ |          |           | -        | ├                           | ├        | $\dashv$ |          | 8:         |           | +            | ╀                       | -        | -        | ├-           | ļ.,             |           | _        |          | •            | 133         | $\perp$                                 | -            | 4              | <u> </u>   | ļ            |          |          |           | • |   |   |
| Į                                     |                | 35          |          |          |          |          |           |          |                             |          |          |          | 8:         |           | $^{\dagger}$ | $\dagger$               | ╁        | $\vdash$ | -            |                 | $\dashv$  | $\dashv$ |          | <del>-</del> | 134         | -                                       | ╁            | +              | -          | ┝            |          | -        | $\dashv$  |   |   |   |
| -                                     |                | 36<br>37    | $\dashv$ | 4        | 4        | -1       |           |          | Ŀ                           |          |          |          | 86         |           | T            | I                       |          |          |              |                 |           |          |          | ٠. ،         | 136         |   | 上            |                | Ŀ          |              |          |          | $\dashv$  |   |   |   |
| H                                     | $\dashv$       | 38          | -        | $\dashv$ | ┥        | $\dashv$ | $\dashv$  | _        | $\vdash$                    |          | $\dashv$ |          | 88         |           | ╬            | ╀                       | +        | ┝        | -            | Н               | -         | $\dashv$ |          | .·<br>:.     | 137         | 4                                       | _            | 1              | Ŀ          | _            |          |          |           |   |   |   |
|                                       |                | 39          |          |          |          |          |           |          |                             |          |          |          | 89         |           | +            | $\dagger$               | +        | $\vdash$ | -            | Н               | $\dashv$  | $\dashv$ |          |              | 138<br>139  | _                                       | +            | ╁              | ┝          | $\vdash$     | -        | $\vdash$ | $\dashv$  |   |   |   |
| ļ.                                    | $\dashv$       | 40<br>41    | -+       | $\dashv$ | 4        | 4        | 4         |          |                             |          | $\Box$   |          | 90         |           | $\bot$       | F                       | F        |          |              |                 | $\exists$ |          | L        |              | 140         | 工                                       |              |                |            |              |          |          |           |   |   |   |
| }                                     |                | 41          | $\dashv$ | +        | $\dashv$ | $\dashv$ | $\dashv$  | -        | $\vdash$                    | H        | $\dashv$ | -        | 91         |           | +            | +                       | +-       | $\vdash$ | -            | $\vdash \mid$   | 4         | 4        | ` h      |              | 141         | _                                       | +-           | $\perp$        | <u> </u> _ |              | $\Box$   | $\Box$   | $\exists$ |   | : |   |
|                                       |                | 43          |          | $\Box$   | 1        |          | $\exists$ |          |                             |          |          |          | 93         |           | 士            | T                       | $\perp$  | $\vdash$ |              | $\vdash$        | $\dashv$  | $\dashv$ | L        | <del>:</del> | 142         | +                                       | +            | ╁              | $\vdash$   | -            | $\vdash$ | $\dashv$ | $\dashv$  |   |   |   |
| -                                     |                | 44<br>45    | +        | -        | -        | $\dashv$ | $\dashv$  | _        | L                           | Ц        | $\dashv$ | -        | 94         |           | T            | F                       | L        |          |              |                 | $\exists$ | コ        |          |              | 144         | $\perp$                                 | 1            |                |            |              |          |          |           |   |   | - |
| F                                     |                | 46          | $\dashv$ | $\dashv$ | +        | -        | ᅱ         | $\dashv$ |                             | $\vdash$ | $\dashv$ | -        | 95         |           | +            | ╀                       | $\vdash$ | $\vdash$ | Н            | $\vdash \vdash$ |           | $\dashv$ |          | -            | 145         | 4.                                      | 1            | +-             | -          | -            | $\Box$   | $\Box$   | _         |   |   |   |
| <u> </u>                              |                | 47          | $\Box$   |          | 丰        |          |           |          |                             |          |          |          | 97         |           | 士            | 士                       | $\perp$  | Ė        | H            |                 | +         | $\dashv$ | - 1:     |              | 147         | - -                                     | +            | <del>  -</del> | ┝          | $\vdash$     | $\dashv$ | -        | $\dashv$  |   |   |   |
| }                                     | -+             | 48<br>49    | $\dashv$ | +        | +        | $\dashv$ | $\dashv$  | _        |                             | $\Box$   | $\dashv$ |          | 98         |           | L            | E                       | F        |          |              |                 | 1         |          | - [      |              | 148         |   |              |                |            |              |          |          |           |   |   |   |
| <u> </u>                              |                | 50          | +        | +        | +        | +        | $\dashv$  | $\dashv$ |                             | $\dashv$ | $\dashv$ | -        | 99         |           | +            | ┢                       | +        | H        | $\vdash$     | $\vdash$        | +         | $\dashv$ | 1.       | :-           | :149        | +                                       | 1            | Ŀ              |            |              | $\Box$   | 1        | 7         |   |   |   |
|                                       |                |             |          |          |          |          |           | 1        | _                           | 1        |          | <u> </u> |            |           |              |                         |          |          | Ш            | Ш               |           | J        | تا       |              | :150  <br>: |   | 1_           | 1              |            | Ш            | Ш        | Ш.       | Ш         |   |   |   |